

Amendments to the Claims

1. (original) Telecommunications services apparatus for use with a telephone network, the apparatus comprising:
 - means operable to support execution of one or more messaging applications, wherein an application may be executed for each of any or all messages that arrive at the apparatus;
 - means for storing message attributes matched to respective messaging applications;
 - means for comparing, for each message, an attribute of that message with the stored message attributes, and operable thereby to select the respective messaging application on the basis of the comparison; and
 - means for executing the selected messaging application, execution of the selected application including processing, transforming and/or routing the respective message.
2. (original) Apparatus according to claim 1, wherein the message attributes include destination address.
3. (currently amended) Apparatus according to claim 1 ~~or claim 2~~, wherein the message attributes include destination address type.
4. (currently amended) Apparatus according to claim 1, ~~claim 2 or claim 3~~, wherein the message attributes include originating address.
5. (currently amended) Apparatus according to claim 1 ~~any one of claims 1 to 4~~, wherein the message attributes include originating address type.
6. (currently amended) Apparatus according to claim 1 ~~any one of claims 1 to 5~~, wherein the message attributes include signalling fields.

7. (currently amended) Apparatus according to claim 1 ~~any one of claims 1 to 6~~, wherein the message attributes include message content.

8. (currently amended) Apparatus according to claim 1 ~~any one of claims 1 to 7~~, comprising at least one SMS router for routing messages to the means operable to support execution of one or more messaging applications.

9. (original) Apparatus according to claim 8, including an SMS service control point (SCP) such that service logic may operate in the SMS router in conjunction with centralised intelligence in the SMS SCP.

10. (currently amended) Apparatus according to claim 1 ~~any one of claims 1 to 9~~, comprising a message transformation means for parsing, interpreting and transforming message content and addressing in order to generate a response message.

11. (original) Apparatus according to claim 10, wherein the response message is generated according to a programmable table of exceptions.

12. (currently amended) Apparatus according to claim 10 ~~or claim 11, as dependent on claim 8~~, wherein the response message is routed via the SMS router.

13. (currently amended) Apparatus according to claim 10, ~~claim 11 or claim 12~~, wherein the message from the sender is in mobile originated form, whereas the response message is in mobile terminated form.

14. (currently amended) Apparatus according to claim 10 ~~or claim 11~~, wherein the response message is routed over a data network.

15. (currently amended) Apparatus according to claim 10 ~~any one of claims 10 to 14~~, wherein the message transformation means is operable to return a response message back to the original sender without requiring a routing query to a home

location register (HLR), the response addressing and routing information being derived from the original message.

16. (original) Telecommunications services apparatus for use with a telephone network, the apparatus comprising:

a message transformation means operable to parse, interpret and transform message content and addressing in order to generate a response message according to programmable tables of rules known as exceptions, wherein the exceptions conform to a syntax that permits matching of a single exception to multiple forms of message construction.

17. (original) Telecommunications services apparatus for use with a telephone network, the apparatus comprising:

a message transformation means operable to parse, interpret and transform message content and addressing in an input message in order to generate a response message according to programmable tables of exceptions and rules, wherein the exceptions and rules conform to a syntax that permits matching of a single exception to multiple forms of input message constructions, wherein syntactic elements of the exception or rule may appear in a different order from the respective matching elements in the input message.

18. (original) Telecommunications services apparatus for use with a telephone network, the apparatus comprising:

a message transformation means operable to return a response message back to the original sender without requiring a routing query to a home location register (HLR), the response addressing and routing information being derived from the original message.

19. (currently amended) Apparatus according to claim 15 ~~or claim 18~~, wherein the routing query is an SRI-SM MAP message.

20. (currently amended) Apparatus according to claim 15, ~~claim 18 or claim 19~~, wherein the routing information obtained from the original message is in the form of an international mobile subscriber identifier (IMSI) and a visitor location register (VLR) address corresponding to the sender's location.

21. (original) A telecommunications services method for a telephone network, the method comprising:

supporting execution of one or more messaging applications, wherein an application may be executed for each of any or all input messages;

storing message attributes matched to respective messaging applications;

comparing, for each message, an attribute of that message with the stored message attributes, and thereby selecting the respective messaging application on the basis of the comparison; and

executing the selected messaging application, execution of the selected application including processing, transforming and/or routing the respective message.

22. (original) A method according to claim 21, wherein the message attributes include destination address.

23. (currently amended) A method according to claim 21 ~~or claim 22~~, wherein the message attributes include destination address type.

24. (currently amended) A method according to claim 21, ~~claim 22 or claim 23~~, wherein the message attributes include originating address.

25. (currently amended) A method according to claim 21 ~~any one of claims 21 to 24~~, wherein the message attributes include originating address type.

26. (currently amended) A method according to claim 21 ~~any one of claims 21 to 25~~, wherein the message attributes include signalling fields.

27. (currently amended) A method according to claim 21 ~~any one of claims 21 to 26~~, wherein the message attributes include message content.

28. (currently amended) A method according to claim 21 ~~any one of claims 21 to 27~~, including routing messages via at least one SMS router for execution of one or more messaging applications.

29. (original) A method according to claim 28, wherein service logic may operate in the SMS router in conjunction with centralised intelligence in an SMS service control point (SCP).

30. (currently amended) A method according to claim 21 ~~any one of claims 21 to 29~~, comprising a message transformation step for parsing, interpreting and transforming message content and addressing in order to generate a response message.

31. (original) A method according to claim 30, wherein the response message is generated according to a programmable table of exceptions.

32. (currently amended) A method according to claim 30 ~~or claim 31, as dependent on claim 28~~, wherein the response message is routed via the SMS router.

33. (currently amended) A method according to claim 30, ~~claim 31 or claim 32~~, wherein the message from the sender is in mobile originated form, whereas the response message is in mobile terminated form.

34. (currently amended) A method according to claim 30 ~~or claim 31~~, wherein the response message is routed over a data network.

35. (currently amended) A method according to claim 30 ~~any one of claims 30 to 34~~, wherein the message transformation step is operable to return a response message back to the original sender without requiring a routing query to a home

location register (HLR), the response addressing and routing information being derived from the original message.

36. (original) A telecommunications services method for a telephone network, the method comprising:

a message transformation step operable to parse, interpret and transform message content and addressing in order to generate a response message according to programmable tables of rules known as exceptions, wherein the exceptions conform to a syntax that permits matching of a single exception to multiple forms of message construction.

37. (original) A telecommunications services method for a telephone network, the method comprising:

a message transformation step operable to parse, interpret and transform message content and addressing in an input message in order to generate a response message according to programmable tables of exceptions and rules, wherein the exceptions and rules conform to a syntax that permits matching of a single exception to multiple forms of input message constructions, wherein syntactic elements of the exception or rule may appear in a different order from the respective matching elements in the input message.

38. (original) A telecommunications services method for a telephone network, the method comprising:

a message transformation step operable to return a response message back to the original sender without requiring a routing query to a home location register (HLR), the response addressing and routing information being derived from the original message.

39. (currently amended) A method according to claim 35 ~~or claim 38~~, wherein the routing query is an SRI-SM MAP message.

40. (currently amended) A method according to claim 35, ~~claim 38 or claim 39~~, wherein the routing information obtained from the original message is in the form of an international mobile subscriber identifier (IMSI) and a visitor location register (VLR) address corresponding to the sender's location.

41. (currently amended) A computer program for implementing a method according to claim 21 ~~any one of claims 21 to 40~~.

42. (original) A storage medium storing a computer program according to claim 41.